

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/809,066 Confirmation No.: 6976
Applicant : Medhat Michael
Entitled : Spectral Gamma Ray Logging-While-Drilling System
Filed : 15 March 2004
TC/A.U. : 2884
Examiner : Polyzos, Faye S.

Docket No. : 135-0051US
Customer No. : 29855

Commissioner for Patents
PO BOX 1450
Alexandria, VA 22313-1450

REPLY TO NON-FINAL OFFICE ACTION DATED 22 MAY 2006

In response to the Office Action of 22 May 2006, please reconsider the above-identified application in light of the following:

- I. Amendments to the Claims**, which begin on page 2 of this paper.
- II. Remarks/Arguments**, which begin on page 15 of this paper.